SD11
A571
no. 342

NORTH CENTRAL FOREST EXPERIMENT STATION

Research Note NC-342

1992 FOLWELL AVE. ST. PAUL, MN 55108 FOREST SERVICE-U.S.D.A.

1987

PULPWOOD PRODUCTION[1/] IN THE LAKE STATES BY COUNTY, 1986

James E. Blyth, Principal Market Analyst

and W. Brad Smith, Mensurationist

ABSTRACT.--Lake States pulpwood production rose to a record 7.71 million cords in 1986. Pulpwood production is shown by county and species group in Michigan, Minnesota, and Wisconsin.

KEY WORDS: Residue, Michigan, Minnesota, Wisconsin.

Pulpwood production in the Lake States--Michigan, Minnesota, and Wisconsin--climbed from 6.84 million cords in 1985 to a record 7.71 million cords in 1986. Wisconsin produced 2.92 million cords, Michigan produced 2.81 million cords, and Minnesota produced 1.98 million cords.

Ninety-two percent of pulpwood came from roundwood (including chips from roundwood); the remainder came from mill residue such as slabs, edgings, veneer cores, and chips from these materials. Production from softwood and hardwood residue by State was:

State	Softwood (Hundred standard cords,	Hardwood unpeeled)
Michigan	530	1,392
Minnesota	456	575
Wisconsin	516	2,404

Principal species harvested were aspen (3,656,800 cords), pine (953,500 cords), maple (783,500 cords), birch (513,200 cords), and balsam fir (243,100 cords).

Wisconsin imported 18 percent of the pulpwood it required, including 368,500 cords from Michigan, 68,900 cords from Minnesota, 116,200 cords from other (primarily Western) States, and 23,200 cords from Canada. Michigan imported 8 percent of its pulpwood needs, and Minnesota imported 3 percent.

Counties cutting more than 120,000 cords were Delta, Menominee, Dickinson, Iron, and Marquette in Michigan; Koochiching, St. Louis, Beltrami, Cass, and Itasca in Minnesota; and Forest, Lincoln, Marinette, Oneida, Vilas, Bayfield, and Sawyer in Wisconsin. These 17 counties contributed 44 percent of the pulpwood produced from roundwood in the Lake States in 1986.

[1/] Includes logs, bolts, and wood residue used in manufacturing particleboard, waferboard, oriented strand board, and medium density fiberboard.

LIBRARY COPY
ROCKY MTN. FOREST & RANGE
EXPERIMENT STATION

Table 1.--Lake States pulpwood production from roundwood by county and species, 1986

(In hundred standard cords, unpeeled)

MICHIGAN

Unit 1/ and county	All species	Species group										
		Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
E. UPPER PENINSULA												
Alger	863	107	37	40	78	2	31	53	107	4	254	150
Chippewa	552	148	50	21	13	2	47	114	29	2	73	53
Delta	1,732	241	156	143	42	7	88	297	211	7	346	194
Luce	567	160	32	12	16	1	18	49	33	2	174	70
Mackinac	576	44	47	39	10	1	20	131	61	2	152	69
Menominee	1,461	83	97	175	61	5	50	391	239	13	203	144
Schoolcraft	1,060	283	74	60	22	4	85	92	104	3	198	135
Total	6,811	1,066	493	490	242	22	339	1,127	784	33	1,400	815
W. UPPER PENINSULA												
Baraga	610	46	9	5	21	X 2/	9	78	109	5	260	68
Dickinson	1,212	50	126	168	29	5	45	446	141	5	145	52
Gogebic	884	16	23	8	19	X	X	185	95	7	437	94
Houghton	667	89	36	46	15	2	24	86	102	12	165	90
Iron	1,593	95	76	62	14	3	15	629	161	10	388	140
Keweenaw	10	2	-	X	-	-	-	-	1	X	4	3
Marquette	2,499	350	132	147	81	7	86	428	411	37	625	195
Ontonagon	1,183	12	1	2	5	-	-	675	99	4	248	137
Total	8,658	660	403	438	184	17	179	2,527	1119	80	2,272	779
N. LOWER PENINSULA												
Alcona	640	54	X	1	-	-	-	409	44	73	38	21
Alpena	332	2	2	2	-	-	-	230	20	17	45	14
Antrim	15	4	-	-	-	-	-	10	X	1	X	X
Arenac	44	1	-	-	-	-	-	10	1	X	31	1
Bay	1	-	-	-	-	-	-	1	-	-	-	-
Benzie	89	1	-	-	-	-	-	65	7	4	10	2
Charlevoix	27	3	-	-	-	-	-	13	3	-	8	X
Cheboygan	497	34	14	11	-	-	-	314	16	2	81	25
Clare	331	2	-	-	-	-	-	310	6	11	2	X
Crawford	720	321	-	-	-	-	-	226	5	151	13	4
Emmet	173	4	8	6	-	-	-	103	X	4	31	17
Gladwin	92	16	-	-	-	-	-	59	5	5	6	1
Grand Traverse	184	52	-	-	-	-	-	108	2	1	17	4
Iosco	144	31	X	X	-	-	-	78	7	21	5	2
Isabella	91	-	-	-	X	-	-	89	X	2	X	X
Kalkaska	238	117	-	-	-	-	-	104	2	12	3	X
Lake	661	87	-	-	-	-	-	295	7	202	57	13
Leelanau	45	-	-	-	-	-	-	30	2	-	13	X
Manistee	432	12	-	-	-	-	-	162	13	128	87	30
Mason	357	-	-	-	-	-	-	263	11	38	37	8
Mecosta	310	3	-	-	-	-	-	278	2	21	6	X
Midland	103	-	-	-	-	-	-	93	2	2	1	5
Missaukee	474	30	-	-	-	-	-	403	7	12	15	7
Montmorency	565	65	2	4	-	-	-	357	19	71	35	12
Newaygo	424	19	-	-	-	-	-	217	2	158	27	1
Oceana	209	-	-	-	-	-	-	170	2	30	7	X
Ogemaw	205	27	-	-	-	-	-	111	17	33	12	5
Osceola	457	15	-	-	-	-	-	369	9	38	24	2
Oscoda	745	236	X	X	-	-	-	340	22	93	39	15
Otsego	440	93	-	-	-	-	-	204	4	23	93	23
Presque Isle	465	25	5	12	-	-	-	271	47	21	63	21
Roscommon	315	125	-	-	-	-	-	140	12	38	X	X
Wexford	305	42	-	-	-	-	-	158	6	42	45	12
Total	10,130	1,421	31	36	X	-	-	5,990	302	1,254	851	245
S. LOWER PENINSULA												
Allegan	61	X	-	-	-	-	-	11	-	18	14	18
Barry	31	-	-	-	-	-	-	4	-	11	7	9
Berrien	31	-	-	-	-	-	-	-	-	21	7	3
Calhoun	3	-	-	-	-	-	-	X	-	1	1	1
Cass	29	-	-	-	-	-	-	2	-	11	7	9
Huron	11	-	-	-	-	-	-	11	-	-	-	-
Ingham	X	-	-	-	X	-	-	-	-	-	-	-
Ionia	9	-	-	-	-	-	-	5	-	1	X	3
Kalamazoo	6	-	-	-	-	-	-	X	-	2	2	2
Kent	18	-	-	-	-	-	-	9	X	8	1	X
Montcalm	109	-	-	-	-	-	-	83	X	23	3	X
Muskegon	144	X	-	-	-	-	-	14	1	121	7	1
Ottawa	22	-	-	-	-	-	-	4	X	16	2	X
St. Joseph	43	-	-	-	-	-	-	2	-	16	11	14
Van Buren	33	-	-	-	-	-	-	2	-	12	8	11
Total	550	X	-	-	X	-	-	147	1	261	70	71
State total	26,149	3,147	927	964	426	39	518	9,791	2,206	1,628	4,593	1,910

(Table 1 continued on next page)

(Table 1 continued)

MINNESOTA

Unit and county	All species	Species group										
		Pine	Spruce	Balsam fir	Hemlock	Tamarack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
ASPEN-BIRCH												
Carlton	280	13	19	43	-	1	-	167	11	-	-	26
Cook	496	47	112	35	-	-	-	302	X	-	X	X
Koochiching	1,913	223	241	140	-	107	-	1,148	8	-	X	46
Lake	1,150	42	108	55	-	X	-	849	63	-	-	33
St. Louis	4,443	422	259	237	-	18	-	3,289	15	-	-	203
Total	8,282	747	739	510	-	126	-	5,755	97	-	X	308
NORTHERN PINE												
Aitkin	739	4	16	4	-	-	-	642	2	-	-	71
Becker	244	2	-	-	-	-	-	241	-	-	-	1
Beltrami	1,482	82	24	152	-	1	-	1,220	X	-	X	3
Cass	1,285	89	8	51	-	X	-	1,131	X	-	X	6
Clearwater	838	12	6	8	-	-	-	810	-	-	-	2
Crow Wing	299	37	1	-	-	-	-	260	-	-	-	1
Hubbard	979	83	1	-	-	X	-	892	-	-	-	3
Itasca	3,392	112	108	281	-	1	-	2,862	2	-	-	26
Lake of the Woods	171	94	58	5	-	1	-	13	-	-	-	-
Mahnomen	64	-	-	-	-	-	-	64	-	-	-	X
Roseau	78	55	22	-	-	1	-	-	-	-	-	-
Wadena	85	25	-	-	-	-	-	60	-	-	-	X
Total	9,656	595	244	501	-	4	-	8,195	4	-	X	113
CENTRAL HARDWOOD												
Isanti	5	5	-	-	-	-	-	-	-	-	-	-
Kanabec	7	-	-	-	-	-	-	7	-	-	-	-
Mille Lacs	313	1	1	-	-	-	-	311	-	-	-	X
Morrison	82	1	-	-	-	-	-	81	-	-	-	X
Pine	389	27	-	-	-	-	-	326	X	-	-	36
Sherburne	11	11	-	-	-	-	-	-	-	-	-	-
Todd	8	1	-	-	-	-	-	7	-	-	-	X
Total	815	46	1	-	-	-	-	732	X	-	-	36
PRAIRIE												
Polk	8	-	-	-	-	-	-	8	-	-	-	-
Total	8	-	-	-	-	-	-	8	-	-	-	-
State total	18,761	1,388	984	1,011	-	130	-	14,690	101	-	X	457

(Table 1 continued on next page)

(Table 1 continued)

WISCONSIN

Unit and county	All species	Species group										
		Pine	Spruce	Balsam fir	Hem-lock	Tam-arack	Cedar	Aspen	Birch	Oak	Maple	Other hardwoods
NORTHEAST												
Florence	1,051	112	35	52	27	1	-	359	186	16	224	39
Forest	1,566	95	65	89	23	1	-	476	197	6	418	196
Langlade	1,078	95	7	22	7	X	-	433	123	2	289	100
Lincoln	1,284	114	10	28	27	1	-	632	79	1	264	128
Marinette	1,806	266	24	62	3	1	-	974	245	67	125	39
Menominee	511	77	-	-	182	-	-	118	18	4	72	40
Oconto	684	123	2	16	2	2	-	365	76	27	47	24
Oneida	1,393	269	49	60	7	3	-	562	246	6	146	45
Shawano	312	67	X	1	17	X	-	138	16	9	37	27
Vilas	1,328	155	18	25	11	1	-	692	248	29	125	24
Total	11,013	1,373	210	355	306	10	-	4,749	1,434	167	1,747	662
NORTHWEST												
Ashland	741	44	43	32	5	2	-	322	101	7	154	31
Barron	182	11	X	X	-	-	-	144	10	10	2	5
Bayfield	1,865	263	1	5	-	-	-	1,131	330	25	78	32
Burnett	461	136	X	-	-	X	-	305	17	1	2	X
Douglas	1,181	307	1	3	X	X	-	712	115	1	18	24
Iron	838	13	4	5	2	-	-	425	160	10	173	46
Polk	140	20	-	-	-	-	-	119	X	X	X	1
Price	1,136	55	14	21	14	1	-	418	174	24	281	134
Rusk	535	12	1	X	2	X	-	300	79	21	75	45
Sawyer	1,299	33	16	9	5	X	-	735	154	27	188	132
Taylor	820	37	4	20	21	X	-	380	61	4	194	99
Washburn	968	119	X	1	-	-	-	678	61	33	39	37
Total	10,166	1,050	84	96	49	3	-	5,669	1,262	163	1,204	586
CENTRAL												
Adams	464	424	-	X	-	X	-	11	X	28	1	X
Chippewa	308	29	1	1	1	-	-	173	37	8	41	17
Clark	686	77	X	1	X	-	-	396	36	49	90	37
Eau Claire	292	149	X	-	X	-	-	127	3	5	6	2
Jackson	440	309	X	-	1	-	-	58	9	40	21	2
Juneau	420	337	-	-	-	-	-	35	3	40	4	1
Marathon	729	82	3	3	9	1	-	450	22	10	74	75
Marquette	129	97	-	-	-	-	-	3	5	14	8	2
Monroe	171	148	-	-	-	-	-	2	3	12	4	2
Portage	268	157	4	X	2	X	-	63	5	27	7	3
Waupaca	195	82	X	X	1	-	-	92	1	5	10	4
Waushara	286	275	-	-	X	-	-	9	X	1	1	X
Wood	446	158	X	-	X	-	-	206	4	52	22	4
Total	4,834	2,324	8	5	14	1	-	1,625	128	291	289	149
SOUTHWEST												
Buffalo	12	12	X	-	-	-	-	-	X	X	X	X
Crawford	X	X	X	-	-	-	-	X	-	-	-	-
Dunn	82	76	-	-	-	-	-	5	X	1	X	X
Grant	X	X	-	-	-	-	-	-	-	-	-	-
Iowa	2	2	-	-	-	-	-	X	-	-	-	-
La Crosse	17	17	-	-	-	-	-	-	-	X	X	X
Lafayette	X	X	-	-	-	-	-	-	-	-	-	-
Pepin	1	X	1	-	-	-	-	X	-	-	-	-
Pierce	1	X	-	-	-	-	-	1	-	X	X	X
Richland	X	X	-	-	-	-	-	-	-	-	-	-
St. Croix	2	2	-	-	-	-	-	X	-	-	-	-
Sauk	20	20	-	-	-	-	-	-	-	-	-	-
Trempealeau	34	30	1	-	-	-	-	2	X	1	X	X
Vernon	X	-	-	-	-	-	-	X	-	-	-	-
Total	171	159	2	-	-	-	-	8	X	2	X	X
SOUTHEAST												
Brown	6	1	-	-	-	-	-	5	-	-	-	-
Columbia	81	62	-	-	-	-	-	1	1	14	2	1
Door	14	-	-	-	-	-	-	14	-	-	-	-
Green Lake	11	11	-	-	-	-	-	-	-	-	-	-
Jefferson	X	X	-	-	-	-	-	-	-	-	-	-
Kenosha	1	1	-	-	-	-	-	-	-	-	-	-
Kewaunee	2	1	-	-	X	-	-	1	-	-	-	-
Manitowoc	X	-	-	X	X	-	-	-	-	-	-	-
Outagamie	20	5	X	-	-	-	-	15	X	-	X	X
Ozaukee	X	X	-	-	-	-	-	-	-	-	-	-
Sheboygan	1	1	-	-	-	-	-	-	-	-	-	-
Walworth	4	4	-	-	-	-	-	-	-	-	-	-
Washington	X	X	-	-	-	-	-	-	-	-	-	-
Waukesha	8	8	-	-	-	-	-	-	-	-	-	-
Total	148	94	X	X	X	-	-	36	1	14	2	1
State total	26,332	5,000	304	456	369	14	-	12,087	2,825	637	3,242	1,398

1/ Includes only those counties that supplied pulpwood in 1986.

2/ X indicates less than 50 cords.